T-E-Klebetechnik

Anwendungs-, Verfahrens- und Dosiertechnik

Ceramabond 569 / 569-VFG

Description

Ceramabond 569 is an anorganic, aluminium oxide based 1-K adhesive.
This adhesive is particularly suitable for securing and sealing metal threads and fittings at temperatures above 260 °C.

Ceramabond 569 is temperature resistant up to max. +1648 °C and is used in chemical plants, petrochemical facilities, waste disposal plants and the aerospace industry.
Ceramabond 569 can be easily dosed with a spatula or injection syringe.

Technical Data

Characteristics	Ceramabond 569
Main Components	Aluminium Oxide
Max. Temperature	+1650 °C
Spec. Weight	2.15 – 2.30 g/cm^3
Viscosity	Paste
Torque Strength	51521 N/mm
Dielectric Strength	5.43 KV/mm at RT
Spec. Resistivity	10^9 Ohm/cm at RT 10^5 Ohm/cm at 540 °C
Moisture Resistance	Excellent
Alkali Resistance	Good
Acid Resistance	Excellent
Colour	White
Hardness	6 Moh's Scale
Particle Size 569 569-VFG	 44 Mikron 1-5 Mikron

Handling

Ceramabond 569 has a paste-like consistency. The material can be easily applied to the thread to be sealed with a spatula or by injection with a syringe.
The adhesive cures at the application site and does not require any further treatment after application.

Hardening

- 1 - 4 hours air cure at room temperature
- 2 hours heat cure at 90 °C

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